

NAIR et al
Appl. No. 09/875,264
July 28, 2003

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-18 (Cancelled).

19. (Currently Amended) A method for producing a cytotoxic T lymphocyte (CTL), said method comprising:

(i) providing a T lymphocyte;

(ii) contacting said T lymphocyte *in vitro* with the an RNA-loaded APC of claim 14 antigen presenting cell (APC) produced by a method comprising:

introducing into an APC *in vitro* RNA selected from the group consisting of tumor-derived RNA comprising tumor-specific RNA and pathogen-derived RNA comprising pathogen specific RNA, thereby producing said RNA-loaded APC; and

maintaining said T lymphocyte under conditions conducive to CTL proliferation, thereby producing a CTL.

20-38 (Cancelled).

39. (New) A method of producing cytotoxic T lymphocytes (CTL), said method comprising:

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(i) introducing RNA encoding an antigen into antigen-presenting cells (APC) *in vitro*, wherein said RNA is tumor-derived or pathogen-derived, thereby producing APC that functionally present said antigen on the surface thereof,

(ii) contacting the APC produced in step (i) with lymphocytes *in vitro*, wherein the lymphocytes comprise CTL, thereby producing CTL that recognize said antigen; and

(iii) maintaining the CTL produced in step (ii) in culture.